



Introduction to the School Lunch Program

Food Based Menu Planning



Lunch Meal Pattern

Food Components	Grades	s K-5	Grades	s 6-8	Grades	s 9-12
	Daily	Weekly	Daily	Weekly	Daily	Weekly
Fluid Milk (cups) Low-fat unflavored Fat-free unflavored Fat-free flavored	1	5	1	5	1	5
Fruit (cups)	1/2	2 ½	1/2	2 ½	1	5
Vegetables (cups)	3/4	3 3/4	3/4	3 3/4	1	5
Grains (oz eq) All grains must be whole-grain rich	1	8	1	8	2	10
Meat/Meat Alternate (oz eq)	1	8	1	9	2	10

Milk



- Schools must offer a "variety" of milk Schools to offer at least 2 different types.
- ► Low-fat (1%) or fat free unflavored
- ► Fat free flavored (not currently available in Maine)
- Lactaid treated milk
- Juice or water CANNOT replace the milk component

Food Components	Grades K-5		Grades 6-8		Grades 9-12	
	Daily	Weekly	Daily	Weekly	Daily	Weekly
Fluid Milk (cups) Must off at least two choices	1	5	1	5	1	5

Fruit

 No more than half of the weekly fruit offering may be in the form of 100% juice A ¼ cup serving of dried fruit counts as ½ cup of fruit



Food Components	Grades k	(-5	Grades	6-8	Grades 9-12	
rood components	Daily	Weekly	Daily	Weekly	Daily	Weekly
Fruit (cups)	1/2	2 ½	1/2	2 ½	1	5



Fruit

- Canned in 100% juice, light syrup, or water
- Fresh
- ▶ Frozen
- Dried
- ► 100% fruit juice

Vegetables

- Must be offered daily (3/4 cup/1 cup) with all meal options
- •All subgroups must be offered over the week
- ► •1 cup of raw, leafy greens = ½ cup
- Beans and legumes may be used as <u>EITHER</u> a vegetable <u>OR</u> a meat/meat alternate but not both in the same meal

Food Components	Grades K-5		Grades 6-8		Grades 9-12	
r cou components	Daily	Weekly	Daily	Weekly	Daily	Weekly
Vegetables (cups)	3/4	3 3/4	3/4	3 3/4	1	5



Vegetable Subgroups

Subgroup	Examples
Dark Green	Broccoli, romaine lettuce, baby spinach
Red/Orange	Tomatoes, red peppers, orange carrots, sweet potato, winter squash, pumpkin
Beans/ Legumes	Kidney beans, lentils, chickpeas, refried beans, hummus, edamame
Starchy	White potato, corn, green peas
Other	Iceberg lettuce, green beans, beets, onions

Food Components	Grades K-5		Grades 6-8		Grades 9-12	
	Daily	Weekly	Daily	Weekly	Daily	Weekly
<u>Vegetables (cups)</u>	3/4	3 3/4	3/4	3 3/4	1	5
<u>Dark Green</u>		1/2		1/2		1/2
Red/Orange		3/4		3/4		1 1/4
Beans/Legumes		1/2		1/2		1/2
<u>Starchy</u>		1/2		1/2		1/2
<u>Other</u>		1/2		1/2		3/4
Additional Vegetables to Reach Total		1		1		1 ½

VEGETABLE SUBGROUPS 1

The U.S. Department of Agriculture (USDA) National School Lunch Program (NSLP) meal pattern includes five vegetable subgroups that count toward the daily and weekly vegetable requirements. These subgroups are based on the recommendations of the 2010 Dietary Guidelines for Americans. ² The chart below identifies some commonly eaten vegetables in each subgroup.

DARK GREEN fresh, frozen and canned		RED/ORANGE fresh, frozen and canned	BEANS AND PEAS (LEGUMES) Canned, frozen or cooked from dry		
arugula beet greens bok choy broccoli broccoli rabe (rapini) broccolini butterhead lettuce (Boston, bibb) chicory cilantro collard greens endive escarole	fiddle heads grape leaves kale mesclun mustard greens parsley spinach Swiss chard red leaf lettuce romaine lettuce turnip greens watercress	acorn squash butternut squash carrots cherry peppers Hubbard squash orange peppers pimientos pumpkin red chili peppers red peppers salsa (all vegetables) sweet potatoes/yams tomatoes tomatoes winter squash	black beans black-eyed peas (mature, dry) cowpeas edamame fava beans garbanzo beans (chickpeas) Great Northern beans kidney beans lentils lima beans, (mature, dry)	mung beans navy beans pink beans pink beans pinto beans red beans refried beans soy beans (mature dry) split peas white beans Does not include green peas, green lima beans and green (string) beans	

STARCHY fresh, frozen and canned		OTHER fresh, frozen and canned	
black-eyed peas, fresh (not dry) corn cassava cowpeas, fresh (not dry) field peas, fresh (not dry) green bananas green peas jicama lima beans, green (not dry) parsnips pigeon peas, fresh (not dry) plantains potatoes poi taro water chestnuts yautia (tannier)	artichokes asparagus avocado bamboo shoots bean sprouts, cooked only (for food safety), e.g., alfalfa, mung beans, green and yellow beets breadfruit Brussels sprouts cabbage (green, red, celery, Napa) cactus (nopales) cauliflower celeriac celery chayote (mirliton) chives	cucumbers daikon (oriental radish) eggplant fennel garlic green chili peppers green onions (scallions) green peppers horseradish iceberg lettuce kohlrabi leeks mushrooms okra olives onions (white, yellow, red) peas in pod, e.g., snap peas, snow peas pepperoncini	purple peppers pickles (cucumber) radishes rhubarb rutabagas shallots sauerkraut seaweed snap peas snow peas spaghetti squash tomatillo turnips wax beans yellow peppers yellow summer squash zucchini squash

All vegetables credit based on volume except raw leafy greens count as half the volume served and tomato paste and puree credit based on the volume as if econstituted (see the USDA's Food Bujug Guide for School Meal Programs). Vegetable juice must be pasteurized 100 percent full-strength juice and cannot exceed than half of the weekly vegetables.

² For more information, see the *Dietary Guidelines*, and the vegetables group in Choose MyPlate.

Weekly Vegetable Subgroups



Which
Subgroup Do
I Belong To?

Which
Subgroup Do I
Belong To?





Which
Subgroup Do
I Belong To?

Which
Subgroup Do I
Belong To?





Which Subgroup Do I Belong To?





Which Subgroup Do I Belong To?

Multiple Offerings

Vegetable subgroups must be offered with all meal options

<u>Menu</u>

Baked beans with Hot Dogs

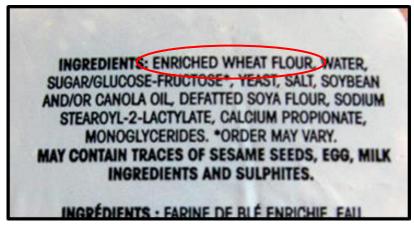


OR PB&J



Grains

► All grains must be Whole Grain-Rich



INGREDIENTS: WHOLE WHEAT ROLLED OATS, MILLED CORN, RICE, ROLLED BARLEY, SUGAR, FANCY MOLASSES, VEGETABLE OIL, SALT, BARLEY MALT SYRUP, HONEY, VITAMINS (THIAMIN HYDROCHLORIDE, NIACINAMIDE, d-CALCIUM PANTOTHENATE, PYRIDOXINE HYDROCHLORIDE, FOLIC ACID), MINERALS (IRON, ZINC OXIDE), SOY LECITHIN, BHT. CONTAINS WHEAT AND SOY INGREDIENTS.

<u>NO</u>

YES

Food Components	Grades K-5		Grades 6-8		Grades 9-12	
Food Components	Daily	Weekly	Daily	Weekly	Daily	Weekly
Grains (oz eq)	1	8	1	8	2	10

**K-8: Additional grains need to be offered to meet weekly requirements

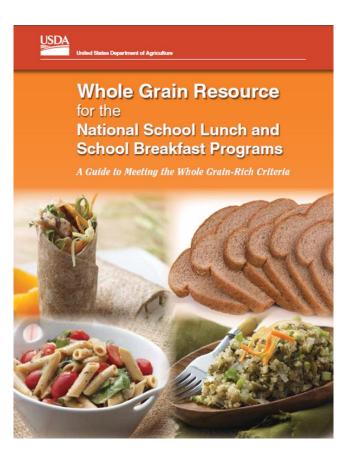
Grain Labels

- Ingredients list:
 - First ingredient listed: whole grain ingredient, such as "whole grain" or "whole wheat" <u>OR</u>
 - First ingredient listed: "water", then whole grain ingredient





Grain Component



http://www.fns.usda.gov/tn/whole-grain-resource

Grain - Ounce Equivalents

1 Ounce Equivalent

22 grams/0.8 ounce Croutons, Pretzels

28 grams/1 ounce Bread, Bagels, Biscuits, Tortilla Chips

34 grams/1.2 ounce pancakes, waffles, Cornbread

55 gram/2 ounce Muffin, Doughnut, Cereal Bar

½ Cup cooked Rice, Pasta

1 ounce/1 cup Dry Cereal

➤ 1 ounce equivalent is the amount of a food product that contains 16 grams of creditable grain

Meat/Meat Alternate

- Meat
- Fish
- Poultry
- Eggs
- Cheese
- Yogurt
- Nut Butters
- Beans (if not crediting them as a vegetable)



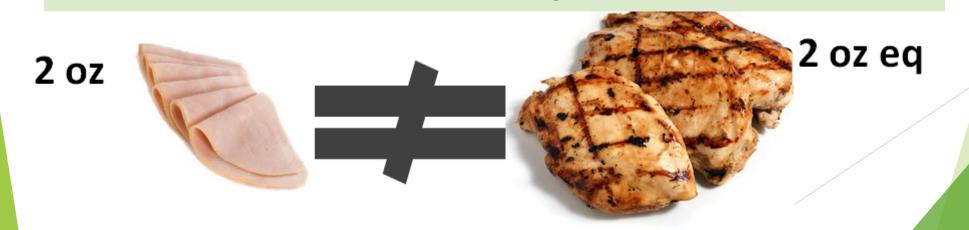




	Grades K-5		Grades 6-8		Grades 9-12	
Food Components	Daily	Weekly	Daily	Weekly	Daily	Weekly
Meat/Meat Alternate (oz eq)	1	8	1	9	2	10

Meat/Meat Alternate - Ounce Equivalents





Non-Creditable "Extra" Foods

Cream Cheese

Bacon

Salami

Potato chips

Condiments



Offer vs Serve

- Offer vs Serve for NSLP is mandatory for High Schools
 - ► There is a waiver for SY22

Food is served in full serving sizes and students are allowed to decline

one or two food components.

- The full serving size for each component must be available to choose
- They must have 3 different components including at least a ½ cup of fruit or vegetable on their tray.
- Reduces food waste
- ► If a student does not take a ½ cup of fruit/vegetable with two other components, then the meal is NOT reimbursable



Crediting in the NSLP

Cups vs. Ounce Equivalents

Food Components	Grades K-5		Grades 6-8		Grades 9- 12	
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What Is Crediting?

Crediting = determining the actual amount of a food component (grain) in a food product (muffin).



Ounce Equivalents - Grains

'Ounce Equivalents' is a standard measurement used to determine the amount of grain in similar food items

► Ex./ 1.25 cup puff cereal vs. ½ cup oatmeal

Crediting Grains

Pre-Made Item

- Exhibit A Grain Chart
- Manufacturer's product formulation statement
- Child Nutrition (CN) label
- USDA Foods Fact Sheet

Scratch-Made Item

Recipe - calculate total amount of creditable grain

Ounce Equivalents - Grains Exhibit A: Grain Oz. Eq.

chart.

Group A	Minimum Serving Size for Group A
Bread type coating	1 oz eq = 22 gm or 0.8 oz
Bread sticks (hard)	$\frac{3}{4}$ oz eq = 17 gm or 0.6 oz
 Chow Mein noodles 	$\frac{1}{2}$ oz eq = 11 gm or 0.4 oz
 Crackers (saltines and snack 	1/4 oz eq = 6 gm or 0.2 oz
crackers) K	
• Croutons	
Pretzels (hard)	
• Stuffing (dry) Note: weights apply to	
bread in stuffing.	
Step 1: find the product in a	Step 2: look on the right
group on the left hand side of the	hand side to determine the

minimum serving size

required for that product.

Activity: Using Exhibit A

Which of these is a 1 ounce equivalent?

.8 oz of Pretzels



2 oz Blueberry Muffin



½ cup cooked Rice



Exhibit A Grains Tool

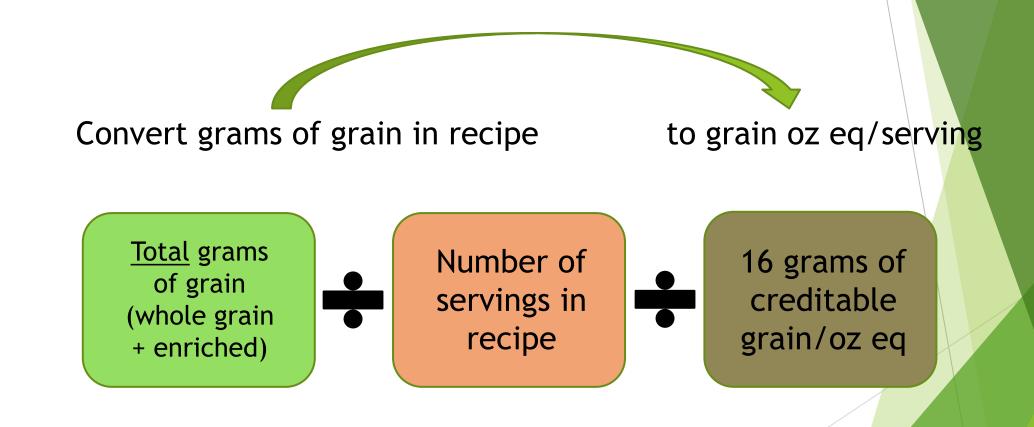


WELCOME TO THE FOOD BUYING GUIDE

The Interactive Food Buying Guide allows for easy display, search, and navigation of food yield information. In addition, users can compare yield information, create a favorite foods list, and acce the Recipe Analysis Workbook (RAW) and the Product Formulation Statement Workbook.

Food Items Search	Exhibit A Grains Tool	Download Food Buying Guide
FBG Calculator		Recipe Analysis Workbook (RAW)

Scratch-Made: Crediting Grains



Want an easier way?

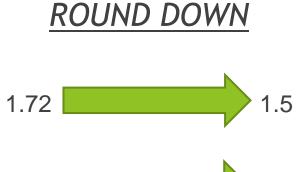


Use Your Scale!

For homemade grain items (breads, muffins) weigh the cooked item and check grain chart

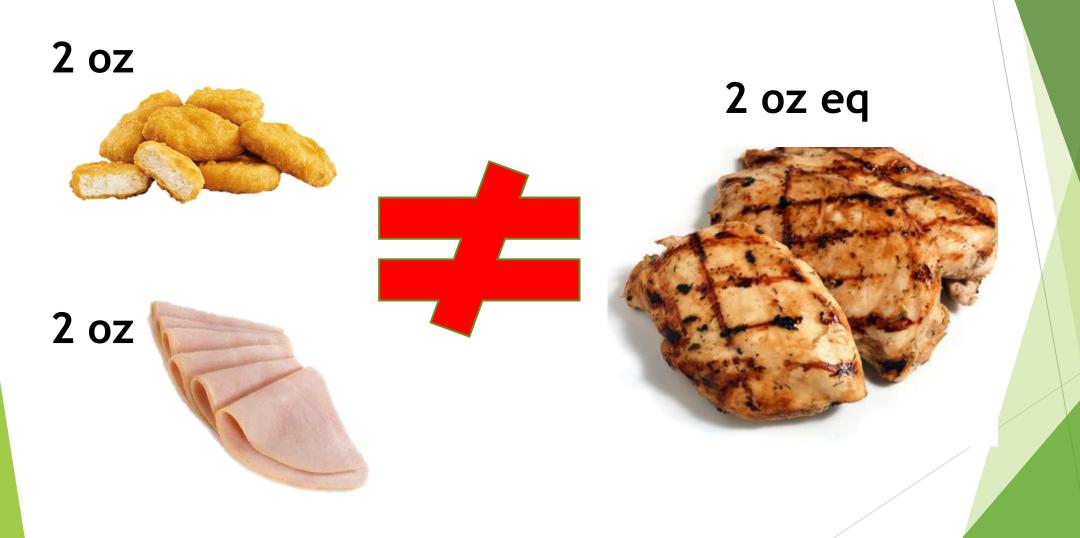
Rounding Rule of Crediting

Always round down to the nearest quarter (0.25) ounce



.24

Ounce Equivalents - M/MA



Crediting Meat/Meat Alternate

UNPROCESSED ITEMS

• Refer to the Food Buying Guide

PROCESSED ITEMS

CN label or a manufacturer's product formulation statement USDA Food Fact Sheet Refer to the Food Buying Guide

Ounce Equivalents - M/MA





1 ounce cheese

2 Tbsp nut butter

1.6 oz deli turkey

1.2 oz deli ham

4 oz yogurt





Food Buying Guide











United States Department of Agriculture

Crediting Resources

- Exhibit A Grain Chart
- ► Food Buying Guide
- Child Nutrition Labels
- Product Formulation Statement

Food Buying Guide



Meal pattern contribution/crediting



Amount of food to purchase or prepare



FBG calculator

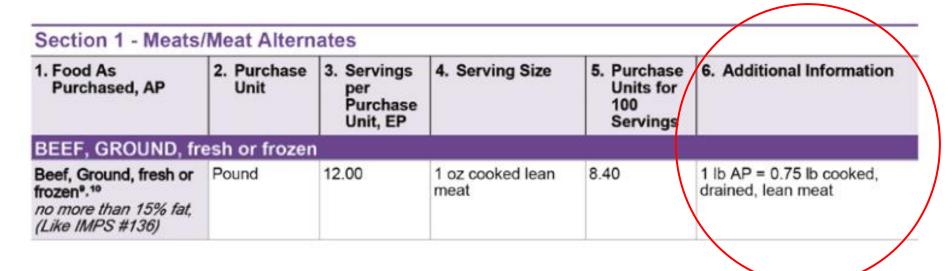


https://foodbuyingguide.fns.usda.gov



eAuthentication account needed to access the tool

Raw vs. Cooked Weight

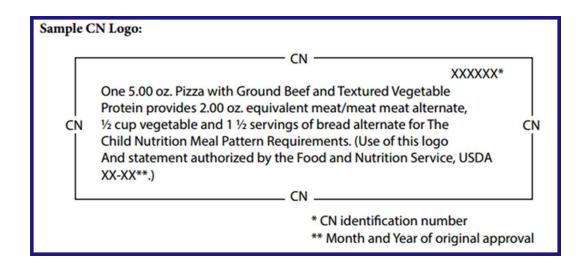


How much M/MA does a 2.5 oz beef patty credit as?

1.75 oz M/MA

Child Nutrition (CN) Labels

- Product has been evaluated to determine its contribution toward the meal pattern
- ► For main dish M/MA and grain products
- Voluntary



CN Label Example



Feeding America's Children



AdvancePierre Foods, Inc. 9990 Princeton Glendale RD Cincinnati, OH 45246 www.advancepierre.com

MEI-1491-V7A

Chicken Nuggets Breaded Nugget Shaped Chicken Patties Made with White Breast and Rib Meat

33-506-0

INGREDIENTS: Chicken Breast with Rib Meat, Water, Isolated Soy, Vegetable Protein Product [Soy Protein Concentrate, Zinc Oxide, Niacinamide, Ferrous Sulfate, Copper Gluconate, Vitamin A Palmitate, Calcium Pantothenate, Thiamine Mononitrate (B1), Pyridoxine Hydrochloride (B6), Riboflavin (B2), Cyanocobalamin (B12), (May Contain Caramel Color), (May Contain Soy Lecithin)], Textured Vegetable Protein Product [Soy Flour, Zinc Oxide, Niacinamide, Ferrous Sulfate, Copper Gluconate, Vitamin A Palmitate, Calcium Pantothenate, Thiamine Mononitrate (B1), Pyridoxine Hydrochloride (B6), Riboflavin (B2), Cyanocobalamin (B12), (May Contain Caramel Color)], Salt, Potassium and Sodium Phosphates, Chicken Broth. Bread: Whole Wheat Flour, Enriched Wheat Flour (Niacin, Reduced Iron, Thiamine) Mononitrate, Riboflavin, Folic Acid), Dehydrated Potatoes (Potatoes, Mono and Diglycerides, Dextrose, Yeast, Sugar, Salt), Soybean Oil (Processing Aid). Batter: Water, [Whole Wheat Flour, Enriched Wheat Flour (Niacin, Reduced Iron, Thiamine Mononitrate, Riboflavin, Folic Acid), Potato Flour, Salt, Modified Corn Starch, Leavening (Calcium Acid Pyrophosphate, Monocalcium Phosphate, Sodium Bicarbonate), Chicken Flavor (Contains Maltodextrin, Salt, Natural Flavors), Hydrolyzed Corn Protein, Onion Powder, Garlic Powder, Yeast Extract, Chicken Broth, Spice]. Set in Vegetable Oil. CONTAINS: Wheat, Soy

REQUIREMENTS 50335060RS 073114

Five 0.64 oz. Fully Cooked Breaded Nugget Shaped Chicken Patties Provides 2 00 oz. Equivalent Meat/Meat Alternate and 1.00 oz. Equivalent Grains For Child Nutrition Meal Pattern Requirements. (Use of This Logo and CN Statement Authorized By the Food and Nutrition Service, USDA 03-14.)

Keep Frozen

Fully Cooked

Net Wt. 10 Lbs.



00880760802294

Product Formulation Statement

- Request when purchasing a processed product without a CN label
- Demonstrates how a processed product contributes toward the meal pattern requirements

Total Creditable Amount³

From the manufacturer

Description of Creditable Grain Ingredient*	Grams of Creditable Grain Ingredient per Portion ¹	Gram Standard of Creditable Grain per oz equivalent (16g or 28g) ²	Creditable Amount	
	A	В	$A \div B$	
Whole wheat flour (47%)	23.5	16	1.4687	
Enrich flour (22%)	11	16	.6875	
			0.16	

Creditable grains are whole-grain meal/flour and enriched meal/flour.

2.00

Indicate to which Exhibit A Group (A-I) the Product Belongs C

Total weight (per portion) of product as purchased 50 g (1.75oz)

Total contribution of product (per portion) 2.00 oz equivalent

I certify that the above information is true and correct and that a 1.75 ounce portion of this product (ready for

⁽Serving size) X (% of creditable grain in formula). Please be aware that serving sizes other than grams must be converted to grams.

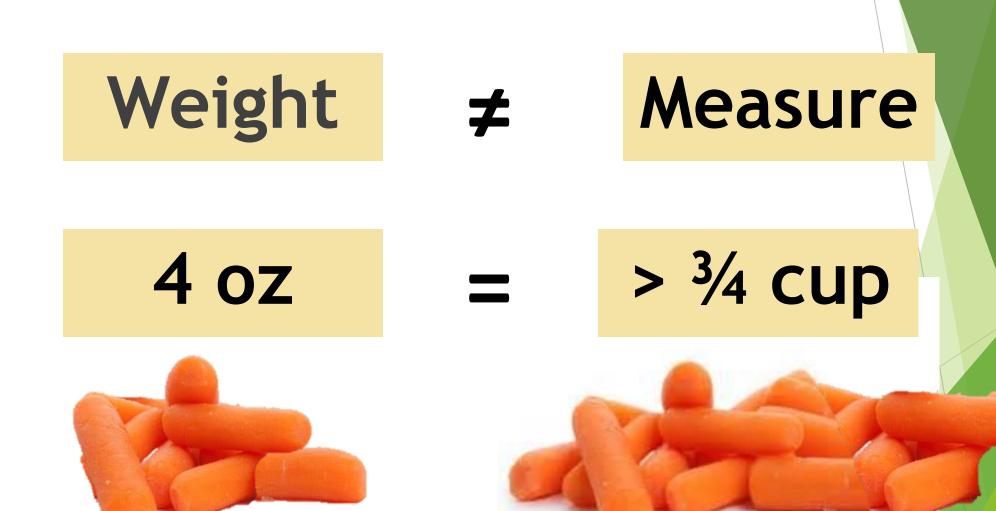
Standard grams of creditable grains from the corresponding Group in Exhibit A.

³Total Creditable Amount must be rounded **down** to the nearest quarter (0.25) oz eq. Do **not** round up.

Volume vs. Weight

Food Components	Grades K-5		Grades 6-8		Grades 9- 12	
	Daily	Weekl y	Daily	Weekl y	Daily	Weekl y
Fluid Milk (cups) Low-fat unflavored Fat-free unflavored Fat-free/low-fat flavored	1	5	1	5	1	5
Fruit (cups)	1/2	2 ½	1/2	2 ½	1	5
Vegetables (cups)	3/4	3 ¾	3/4	3 3/4	1	5
Grains (oz eq) All grains must be whole-grain rich	1	8	1	8	2	10
Meat/Meat Alternate (oz eq)	1	8	1	9	2	10

Cups - Vegetables



Resources and Tips

- Menu planning tools on Child Nutrition website
- Plan 2 oz eq grain and M/MA each day
- Vegetable sub groups
 - 5 vegetable sub groups and 5 days of the week
 - Use salad bars to meet sub groups

SCHOOL YEAR 2022 WAIVERS

Meal Pattern Activity

Maine Department of Education Child Nutrition Programs

Harvest Elementary School Café Lunch Menu

K-8

Daily Choice: Sunbutter & Jelly

Sandwich Monday
Moriday
Hamburger
(2 oz eq M/MA)

Whole Grain Bun (1.5 oz eq G)

> Sweet Potato Oven Fries (1/4 cup)

Green Beans (1/4 cup)

Apple Slices (1/2 Cup)

1% White Milk - 8 oz FF Choc. Milk - 8

<u>Tuesday</u>

Whole Grain
Pasta
(1 cup)

Tomato Sauce (1/2 cup)

Caesar Salad (1 cup)

Orange Wedges (1/2 cup)

Chilled Peaches (1/2 cup)

1% White Milk -8 oz FF Choc. Milk - 8 oz

<u>Wednesday</u>

Bag Lunch
Sun Butter &
Jelly on WG
Bread
(2T = 1 M/MA &
2 oz eq G)

Carrot Sticks (½ cup)

Apple (½ cup)

100% Juice (4 oz)

WG Cookie (1 oz eq Grain)

? Milk

Thursday

Grilled Cheese on
Whole Grain
Bread
(1 oz M/MA &
2 oz eq Grain)

Black Bean & Corn Salad (½ cup)

Celery Sticks (½ cup)

Chilled Pears (1/4 cup)

1% White Milk -8 oz FF Choc. Milk - 8 oz

Friday

Brunch for Lunch
WG French Toast
Sticks
(1.5 oz eq G)
Sausage Patty
(2 oz = .75 M/MA)

Potato Wedges (½ Cup)

Mandarin Oranges (½ cup)

100% Juice (½ cup)

1% White Milk -8 oz FF Choc. Milk - 8 oz

choices

Weekly Requirements for Lunch

- ► M/MA (9 oz)
 - > YES(NO
- Grain (8 oz)
 - YES NO
- ► Vegetables (3 ¾ cups)
 - ► YES(NO

Weekly Requirements Cont.

- ► Vegetable Sub groups:
 - ► Dark Green (1/2 cup)-(YES) NO
 - ► Red/Orange (3/4 cup)-(YES) NO
 - Legumes (1/2 cup)- YES (NO
 - Starchy (1/2 cup)-YES NO
 - Other (1/2 cup)- (YES) NO

Weekly Requirements Cont.

- Fruit (5 ½ cups)
 - YES NO
- ► Milk (5 cups)
 - ► YES (NO
- Daily Choice: Sunbutter and Jelly
 - ► Sandwich contains 2 Tbsp sunbutter (1 M/MA) and 2 oz grain
 - ► Is weekly M/MA and grain met?

Discussion-Lunch

What are some changes we could make to the lunch menu so that it meets the meal pattern?

What surprised you or was an "aha!" moment?